

# KIRLOSKAR MARINE PROPULSION ENGINES

Air Cooled – 25 BHP to 75 BHP  
Water Cooled – 32 BHP to 740 BHP



Enriching Lives



## Products at a glance

### Air Intake System

- Intake Air filter
- Air intake manifold
- Vacuum Indicator

### Exhaust System

- Exhaust manifold
- Turbocharger
- After cooler
- Expansion bellow
- Exhaust silencer

### Fuel System

- Duplex fuel filter
- Fuel injection pump with electronic governor
- Flexible fuel line on engine in fire resistant material
- Double jacketed high pressure pipe with leak off connections and alarm for failure

### Cooling System

- Heat exchanger and expansion tank with pressure cap
- Thermostat installed in the engine fresh water circuit
- Engine driven fresh water pump
- Sea water (centrifugal) pump (3 mtr suction lift)

### Lubricating Oil System

- Deep lube oil sump
- Lube oil pump - gear driven
- Lube oil cooler
- Oil filler tube with cap and lube oil dipstick oil level check
- Duplex lube oil filter

### Starting System

- 12V /24 V DC Electrical Starting System consisting of
  - 24 V DC Starter
  - 24 V DC Battery charging alternator

### Local Alarm Panel Consisting of : Digital display will be provided for the following engine parameters

- Lube oil pressure
- Lube oil temperature
- Fresh water temperature
- Engine RPM and hour counter
- Battery charging voltage

### Engine Safeties

- Low lube oil pressure – alarm and trip
- High fresh water temperature – alarm and trip
- High lube oil temperature – alarm
- Jacketed high pressure pipe failure- alarm
- Over speed – trip
- Start & stop Facility

### Other Engine Parts

- Flywheel
- Flywheel housing
- Front & rear engine support

### Class Approved

- Engine will be offered duly certified by classification agency

### Nox Compliance

- Engine meet the IMO Tier II norms for compliance to exhaust emission

#### Note :

- \* Engine coupled with suitable Gear-box also available on request
- \* Remote control system for engine as well as Gear-box control also available on request
- \* Engine considered with 24V DC Electric Start. Air Starting System available on request
- \* Engine ratings are declared at 45°C ambient temperature, sea level altitude & 90% RH



## Engine Specifications

### Air Cooled Engines

Engine Model	Engine BHP @1800 rpm	Configuration	Aspiration	Direction	No. of cylinders	Bore x Stroke (mm)	Displacement (Ltr)
HA294	23	Inline	Naturally Aspirated	Anticlockwise (looking from flywheel end)	2	100 X 120	1.89
HA394	38				3		2.83
HA494	52				4		3.78
HA694	75				6		5.66

### Water Cooled Engines

Engine Model	Engine BHP @1800 rpm	Configuration	Aspiration	Direction	No. of cylinders	Bore x Stroke (mm)	Displacement (Ltr)
2R1040	32	Inline	Naturally Aspirated	Anticlockwise (looking from flywheel end)	2	105 X 120	2.08
3R1040	50				3		3.12
4R1040	65				4		4.16
4R1040T	95		Turbocharged				
4R1040TA	125		Turbocharged After Cooled				
6R1080T	150		Turbocharged				
6R1080TA	185		Turbocharged After Cooled		6	105 X 125	6.5
6SL9088TA	235		Turbocharged After Cooled		6	118 X 135	8.86
6SL1500TA SR1	265						
6SL1500TA SR2	300						
6SL8800TA	310						
DV8	480	Vee		8			
DV10	598		10		20		
DV12	740		12		24		

#### Note :

- \* Engine power as per ISO 3046 / BS 5514)
- \* In view of continuous product up gradations , specifications given in the above table are subjected to change without prior notice.



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